



METAL SKIN TITANIUM 25 HF

Technical Specifications

- **RF protocol** ISO14443A
- **Frequency** 13.56 MHz (HF)
- **IC type (chip)**¹ NTAG213
- **Chip memory**² 7 bytes UID; 144 bytes user memory
- **Write cycles** 100,000 times
- **Data retention** 10 years
- **Read range** fixed³ Up to 0.16 ft (5 cm)
- **Polarization** Linear

Key Features

- + **Smart phone:** infrastructure-light technology
- + **Small size:** fits for small asset
- + **Printable:** human and computer-readable
- + **IP68 rating:** waterproof

Applications

- **IT asset management**
- **Warehouse management**
- **Automotive components tracking**
- **Equipment&device tracking**

Environmental Specifications

Temperatures



- **Operational** -40°C to +85°C
-40°F to +185°F
- **Survival** -40°C to +85°C
-40°F to +185°F

- **IP rating** IP68
- **Storage Humidity** 50±15%RH
- **Printer compatibility** SATO CL4NX, Zebra ZT410 Silverline, Postek TX3r, etc.
- **Vibration** MIL-STD-810G
- **Warranty** 1 year

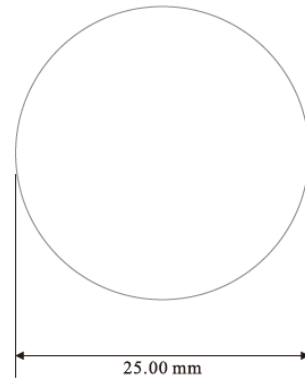
¹ The chip data retention is up to 10 years, based on chip operating under general environment conditions.

² EPC can be re-programmed or permanently locked, can not be password protected. TID is locked and unique at the point of manufacturing.

³ Actual read range may vary based upon use case and antenna power.

Physical Specifications

- **Material** White thermal transfer face stock
- **Dimensions (in)**¹ \varnothing 0.98 x 0.02
- **Dimensions (mm)**¹ \varnothing 25 x 0.45



Mounting Systems

- Industrial adhesive

Installation Instructions

1. Clean the surface using Isopropyl alcohol, alcohol pad or equivalent solvent to ensure surface is free from dirt, dust, oil and misc, debris that may affect adhesion.
2. Handle the label by edges, peel liner from back ensuring not to touch the adhesive.
3. Place the label in desired tagging location and firmly apply even pressure to the label for 5 seconds.
4. Do not disturb the newly mounted label for at least 15 minutes to ensure proper adhesive seating.

¹ Tolerance: Length/Width= +/- 0.02; Thickness= +/- 0.008

² Tolerance: Length/Width= +/- 0.50; Thickness= +/- 0.200

Industry Compliance



Order Information

METAL SKIN Titanium 25 HF: X2525-HF011-NTAG213

Customization Options

Encoding

Printing

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